

ESR300H X-TRA RANGE Wireless 11n Router

2.4GHz 300Mbps 23dBm 11b/g/n



Package Contents

- 1* ESR300H
- 1*12V/1A Power Adapter
- 1*QIG
- 1*CD (Wizard & User's Manual)
- 1*Ethernet Cable
- 2* Detachable Antennas(2dBi)

X-TRA RANGE family routers are special tailored for extensive wireless coverage users.

ESR300H is a 300Mbps AP Router offers user unprecedented network performance with economic circuit design. Guest Network (Multiple SSID) provides advance users to manage multiple users of various needs. TX power control enables flexible transmission tuning for different installation needs and prevents malicious eaves-dropping.

X-TRA means the router equips wide wireless coverage with high output power(23dBi). User does not need to change the antenna type. The standard 2dBi antenna provides much wide coverage than 5dBi normal power antenna AP router.

Parental Control allows parents to monitor and control the Internet usage using scheduling and monitoring features.

ESR300H comes with embedded light-weight VPN server supporting PPTP and L2TP protocol.

Software Features		
System Requirement		
System	Windows or Mac OS	
Access method	Web Based (HTTP 1.0 / 1.1)	
Browser Compatibility	IE and Firefox	
Status		
System Status	System Information	System Up Time, Device Name, Wireless MAC, LAN MAC, Country, Current Time, Firmware Version
	Current IP Setting	IP Address, Subnet Mask, Default Gateway, DHCP, DNS.
	Current Wireless Setting	Operation mode, Wireless Mode, Channel/Frequency, MSSID Setting
Wireless Functional List		
Operation mode	AP Router / WDS	

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Network Map		Graphical display of current connected device status and list
802.11 mode options		b/g/n
Channel setting		Manual
		Auto / Best Channel Selection
Transfer rate setting		Auto and Manual
Output Power Control (Hiding Page)		10%, 25%, 50%, 75%, 90%, 100% (FCC default is 100%, FCC default is 10%)
Power Saving		Wireless LAN power saving
Guest Network (Multiple SSID)		4 BSSID for 2.4Ghz
		Each BSSID has it's own Wi-Fi & security settings
WPS		WPS-button & Software WPS
Security	WEP	WEP(64/128bit)
	WPA/ WPA2	TKIP / AES
	Hidden SSID	Yes
	MAC address filtering	MAC address filtering (Both in WLAN and LAN)
LAN Settings		IP (check validity and DHCP server IP range)
DHCP server		DHCP Range, Lease Time, Client list
VPN Server		PPTP & L2TP (5 concurrent tunnels), Setup Wizard
Internet Scheduling (Parental Control)		Yes
Web Site Tracking List (Web Monitoring)		Yes
Administration		User Name (set as "admin")
		Password (can be changed by user)
		Confirmed Password
Backup/ Restore Setting		Save Current Setting
		Restore Saved Setting
		Reset to Factory Default
Firmware Upgrade		WEB
Firewall		DoS Protection
QoS		Priority Queue / Bandwidth Allocation
ALG		Yes

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UPnP	Yes
IGMP	Yes / v2
Diagnosis	Address to Ping

Technical Specifications

Hardware Specifications

MCU	Realtek RTL8196C+8192CE		
Memory	32MB		
Flash	4MB		
Hosing Size (LxWxH)	165mm x 120mm x 18mm		
Physical Interface	WAN: 1 x 10/100 Fast Ethernet		
	LAN: 4 x 10/100 Fast Ethernet		
	WPS button (WPS, Reboot & Reset to default combined)		
	Power Jack		
LED Definition	Antenna: SMA x 2		
	Power x1	Blue	Booting: Blink on start
	WLAN x1	Blue	Link: Solid Light / Active: Blinking
	LAN x 4	Blue	Link: Solid Light / Active: Blinking
Adapter	WAN x 1	Blue	Link: Solid Light / Active: Blinking
	12V / 1A		

Wireless Specifications

Frequency Band	2.400~2.484 GHz(11b, 11g, 11n)
Modulation Technology	OFDM: BPSK, QPSK, 16-QAM, 64-QAM DBPSK, DQPSK, CCK
Operating Channels	11 for North America, 14 for Japan, 13 for Europe
Wireless Setting	Wireless Mode – 11b/ 11g /11n Channel Selection Channel Bandwidth (Auto, 20Mhz, 40Mhz) Transmission Rate - 11n only ,11b/g/n mix ,11b ,11b/g
Receive Sensitivity	Optimal -90 dBm
Transmit power	Optimal 23dBm
Antenna	2dBi dipole SMA

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Environment & Mechanical

Temperature Range	0 to 40° C - Operating, -20 to 60 ° C - Storage
Humidity (non-condensing)	90% or less – Operating, 90% or less - Storage